

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	165	("20020125581" "20020127772" "3673680" "3926360" "4104111" "4153988" "4246595" "4304640" "4394712" "4487654" "4499655" "4525246" "4613891" "4664309" "4700473" "4705205" "4748130" "4783695" "4925723" "4926549" "4991290" "5058800" "5111279" "5129142" "5135606" "5136359" "5145552" "5192716" "5259110" "5275330" "5308443" "5379515" "5401688" "5407864" "5424245" "5432675" "5435480" "5454161" "5454928" "5468681" "5484647" "5510655" "5527741" "5600884" "5608264" "56187521" "5637925" "5646067" "5682062" "5691041" "5699612" "5719354" "5737833" "5770889" "5814889" "5819406" "5834799" "5860818" "5863406" "5900674" "5920123" "5923955" "5924622" "5937277" "6002177" "6015081" "6046410" "6051093" "6066402" "6117299" "6157084" "6222272" "6319751" "6448644" "6449840" "6511607" "6528891" "6720500").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 12:35
S2	7	("4941033" "5049972" "5360988" "5475236" "5523622" "5677567" "5877559").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/16 19:43
S3	16	("4499655" "5136359" "5433822" "5434452" "5468681" "5470790" "5559372").PN. OR ("5877559").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/16 20:29
S4	1440573	@ad>"19981216" @fad>"19981216" @ptfd>"19981216"	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/16 20:29
S5	9	S3 not S4	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/16 20:29
S6	165	("20020125581" "20020127772" "3673680" "3926360" "4104111" "4153988" "4246595" "4304640" "4394712" "4487654" "4499655" "4525246" "4613891" "4664309" "4700473" "4705205" "4748130" "4783695" "4925723" "4926549" "4991290" "5058800" "5111279" "5129142" "5135606" "5136359" "5145552" "5192716" "5259110" "5275330" "5308443" "5379515" "5401688" "5407864" "5424245" "5432675" "5435480" "5454161" "5454928" "5468681" "5484647" "5510655" "5527741" "5600884" "5608264" "56187521" "5637925" "5646067" "5682062" "5691041" "5699612" "5719354" "5737833" "5770889" "5814889" "5819406" "5834799" "5860818" "5863406" "5900674" "5920123" "5923955" "5924622" "5937277" "6002177" "6015081" "6046410" "6051093" "6066402" "6117299" "6157084" "6222272" "6319751" "6448644" "6449840" "6511607" "6528891" "6720500").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 11:22
S7	1440573	@ad>"19981216" @fad>"19981216" @ptfd>"19981216"	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 11:22
S8	161	S6 not S7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 11:22
S9	12	("4941033" "5049972" "5360988" "5475236" "5523622" "5677567" "5877559").PN. OR ("6157084").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 11:24
S10	7	S9 not S7	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 12:30
S11	2	("20020127772").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/17 12:30
S12	63643	selfalign\$ self! adj align\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 12:46
S13	9	S8 and S12	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 12:36

| S14 | 974 | "1087561" | "2614590" | "2713379" | "3040119" | "3070119" | "3119922" | "3171762" | "3256465" | "3324014" | "3343256" | "3372070" | "3373481" | "3388301" | "3418545" | "3429040" | "3445688" | "3454837" | "3456335" | "3462650" | "3495207" | "3541222" | "3560257" | "3585712" | "3624462" | "3625837" | "3633269" | "3648131" | "3665590" | "3673680" | "3680037" | "3698076" | "3701451" | "3758705" | "3760238" | "3761782" | "3796927" | "3798513" | "3811186" | "3819430" | "3835531" | "3870582" | "3871014" | "3871015" | "3880486" | "3885196" | "3888639" | "3889350" | "3901758" | "3904934" | "3959579" | "3962052" | "3969745" | "3972766" | "3982268" | "4050756" | "4074342" | "4097890" | "4100566" | "4104674" | "4142202" | "4157932" | "4188709" | "4190855" | "4205099" | "4216350" | "4234373" | "4240198" | "4249302" | "4252990" | "4263341" | "4263606" | "4268956" | "4275410" | "4304640" | "4318954" | "4336551" | "4349620" | "4355463" | "4368503" | "4373778" | "4379047" | "4381131" | "4394712" | "4412642" | "4413051" | "4425501" | "4437109" | "4445735" | "4449774" | "4451842" | "4460537" | "4467343" | "4478915" | "4487654" | "4499655" | "4509099" | "4525246" | "4528072" | "4545610" | "4545838" | "4553036" | "4563543" | "4574331" | "4590411" | "4599137" | "4611869" | "4612083" | "4613891" | "4628406" | "4631805" | "4636631" | "4641222" | "4649338" | "4652973" | "4663479" | "4664309" | "4667219" | "4670764" | "4673772" | "4679118" | "4680617" | "4683024" | "4688152" | "4689652" | "4694185").PN. OR ("4696104" | "4700276" | "470473" | "4701424" | "4703559" | "4705205" | "4713494" | "4720738" | "4723156" | "4729809" | "4733096" | "4740657" | "4748495" | "4754316" | "4754546" | "4759491" | "4761681" | "4765864" | "4770641" | "4780177" | "4783722" | "4784972" | "4788767" | "4811082" | "4812130" | "4813128" | "4814040" | "4825284" | "4827118" | "4830264" | "4835704" | "4839309" | "4839510" | "4841355" | "4842184" | "4845542" | "4847146" | "4854882" | "4862322" | "4862588" | "4868349" | "4874721" | "4874722" | "4885662" | "4894115" | "4897708" | "4923404" | "4926241" | "4926549" | "4927369" | "4927479" | "4931134" | "4932883" | "4933808" | "4935581" | "4935800" | "4939568" | "4941033" | "4948754" | "4949455" | "4950170" | "4953060" | "4954875" | "4954878" | "4955523" | "4961105" | "4968583" | "4970381" | "4970571" | "4970577" | "4975637" | "4978639" | "4982265" | "4982267" | "4984358" | "4991000" | "4991285" | "4991290" | "4993799" | "4998806" | "5006673" | "5014111" | "5023994" | "5024734" | "5024966" | "5032896" | "5039371" | "5039628" | "5045249" | "5046238" | "5049084" | "5049972" | "5053357" | "5057895" | "5058800" | "5059553" | "5061989" | "5065505" | "5071359" | "5073521" | "5074947" | "5075258" | "5077633" | "5084961" | "5095627" | "5106461" | "5109601" | "5111278" | "5111279" | "5116463" | "5118370" | "5119272" | "5123850" | "5124843" | "5128831" | "5129142" | "5130531" | "5132251" | "5135606" | "5136359" | "5137461" | "5137845" | "5138438" | "5144484").PN. OR ("5145552" | "5149958" | "5152866" | "5153379" | "5153385" | "5153772" | "5161059" | "5161093" | "5161983" | "5162257" | "5163837" | "5164336" | "5166097" | "5167992" | "5168346" | "5171290" | "5171712" | "5172303" | "5179777" | "5191405" | "5196371" | "5196920" | "5197892" | "5198695" | "5198698" | "5199889" | "5200631" | "5202754" | "5207585" | "5209817" | "5215472" | "5221209" | "5229647" | "5232372" | "5233157" | "5237130" | "5237743" | "5239448" | "5246880" | "5248262" | "5252857" | "5255431" | "5258648" | "5259110" | "5260234" | "5261593" | "5268326" | "5270261" | "5274916" | "5275330" | "5276289" | "5279711" | "5280191" | "5282312" | "5283468" | "5284796" | "5289631" | "5293006" | "5293067" | "5299730" | "5302853" | "5313021" | "5313097" | "5313099" | "5317183" | "5322446" | "5322816" | "5323947" | "5327010" | "5334804" | "5338208" | "5340947" | "5342495" | "5346750" | "5346861" | "5352318" | "5352926" | "5353194" | "5355283" | "5358621" | "5360988" | "5363275" | "5363550" | "5365088" | "5367765" | "5373110" | "5374469" | "5376226" | "5379515" | "5384952" | "5386626" | "5388327" | "5394298" | "5394303" | "5397245" | "5397919" | "5397921" | "5399898" | "5404044" | "5407864" | "5408123" | "5413489" | "5418186" | "5419710" | "5420064" | "5421083" | "5424245" | "5431571" | "5432677" | "5432999" | "5433822" | "5434452" | "5436198" | "5438477" | "5439162" | "5440075" | "5443661" | "5447871" | "5447886" | "5449427" | "5450290" | "5451165" | "5454161" | "5454904" | "5454928").PN. OR ("5455445" | "5457881" | "5468157" | "5468158" | "5468681" | "5468996" | "5470790" | "5470796" | "5473119" | "5474458" | "5475236" | "5475255" | "5477161" | "5477933" | "5478007" | "5480834" | "5481133" | "5483421" | "5484647" | "5485351" | "5487218" | "5489804" | "5492863" | "5493095" | "5493475" | "5496770" | "5497545" | "5497546" | "5502002" | "5503286" | "5508229" | "5510655" | "5521435" | "5523622" | "5525065" | "5527741" | "5527998" | "5528080" | "5530288" | "5535101" | "5536973" | "5542601" | "5543032" | "5547530" | "5547740" | "5552633" | "5556810" | "5556814" | "5564181" | "5572069" | "5576052" | "5583073" | "5587341" | "5595943" | "5597469" | "5599744" | "5600884" | "5606263" | "5607877" | "5608264" | "5611140" | "5611884" | "5613296" | "5614114" | "5615477" | "5619791" | "5627405" | "5627406" | "5633204" | "5637920" | "5637925" | "5641113" | "5645628" | "5646067" | "5648686" | "5651899" | "5654584" | "5656858" | "5662798" | "5663598" | "5665562" | "5666008" | "5669545" | "5674785" | "5674787" | "5677567" | "5682061" | "5691041" | "5696612" | "5700735" | "5718361" | "5722162" | "5723369" | "5731073" | "5731223" | "5736456" | "5739585" | "5744859" | "5757071" | "5757081" | "5764486" | "5768109" | "5774340" | "5786238" | "5789271" | "5793117" | "5796590" | "5798285" | "5800723" | "5801072" | "5801447" | "5803340" | "5804771" | "5808360" | "5811879" | "5817541" | "5822856" | "5834844" | "5843251" | "5848466" | "5859470" | "5861666" | "5863816" | "5870289" | "5877559").PN. OR ("5883435" | "5895581" | "5925931" | "5983492" | "5994222" | "6012224" | "6013877" | "6018196" | "6020561" | "6022761" | "6037665" | "6044550" | "6046909" | "6084297" | "6084781" | "6103552" | "6103992" | "6127204").PN. OR ("5637925" | "5641113" | "5645628" | "5646067" | "5648686" | "5651899" | "5654584" | "5656858" | "5662798" | "5663598" | "5665562" | "5666008" | "5669545" | "5674785" | "5674787" | "5677567" | "5682061" | "5691041" | "5696612" | "5700735" | "5718361" | "5722162" | "5723369" | "5731073" | "5731223" | "5736456" | "5739585" | "5744859" | "5757071" | "5757081" | "5764486" | "5768109" | "5774340" | "5786238" | "5789271" | "5793117" | "5796590" | "5798285" | "5800723" | "5801072" | "5801447" | "5803340" | "5804771" | "5808360" | "5811879" | "5817541" | "5822856" | "5834844" | "5843251" | "5848466" | "5859470" | "5861666" | "5863816" | "5870289" | "5877559").PN. OR ("5883435" | "5895581" | "5925931" | "5983492" | "5994222" | "6012224" | "6013877" | "6018196" | "6020561" | "6022761" | "6037665" | "6044550" | "6046909" | "6084297" | "6084781" | "6103552" | "6103992" | "6127204").PN. OR ("5637925" | "5641113" | "5645628" | "5646067" | "5648686" | "5651899" | "5654584" | "5656858" | "5662798" | "5663598" | "5665562" | "5666008" | "5669545" | "5674785" | "5674787" | "5677567" | "5682061" | "5691041" | "5696612" | "5700735" | "5718361" | "5722162" | "5723369" | "5731073" | "5731223" | "5736456" | "5739585" | "5744859" | "5757071" | "5757081" | "5764486" | "5768109" | "5774340" | "5786238" | "5789271" | "5793117" | "5796590" | "5798285" | "5800723" | "5801072" | "5801447" | "5803340" | "5804771" | "5808360" | "5811879" | "5817541" | "5822856" | "5834844" | "5843251" | "5848466" | "5859470" | "5861666" | "5863816" | "5870289" | "5877559").PN. OR ("5883435" | "5895581" | "5925931" | "5983492" | "5994222" | "6012224" | "6013877" | "6018196" | "6020561" | "6022761" | "6037665" | "6044550" | "6046909" | "6084297" | "6084781" | "6103552" | "6103992" | "6127204").PN. OR ("5637925" | "5641113" | "5645628" | "5646067" | "5648686" | "5651899" | "5654584" | "5656858" | "5662798" | "5663598" | "5665562" | "5666008" | "5669545" | "5674785" | "5674787" | "5677567" | "5682061" | "5691041" | "5696612" | "5700735" | "5718361" | "5722162" | "5723369" | "5731073" | "5731223" | "5736456" | "5739585" | "5744859" | "5757071" | "5757081" | "5764486" | "5768109" | "5774340" | "5786238" | "5789271" | "5793117" | "5796590" | "5798285" | "5800723" | "5801072" | "5801447" | "5803340" | "5804771" | "5808360" | "5811879" | "5817541" | "5822856" | "5834844" | "5843251" | "5848466" | "5859470" | "5861666" | "5863816" | "5870289" | "5877559").PN. OR ("5883435" | "5895581" | "5925931" | "5983492" | "5994222" | "6012224" | "6013877" | "6018196" | "6020561" | "6022761" | "6037665" | "6044550" | "6046909" | "6084297" | "6084781" | "6103552" | "6103992" | "6127204").PN. OR ("5637925" | "5641113" | "5645628" | "5646067" | "5648686" | "5651899" | "5654584" | "5656858" | "5662798" | "5663598" | "5665562" | "5666008" | "5669545" | "5674785" | "5674787" | "5677567" | "5682061" | "5691041" | "5696612" | "5700735" | "5718361" | "5722162" | "5723369" | "5731073" | "5731223" | "5736456" | "5739585" | "5744859" | "5757071" | "5757081" | "5764486" | "5768109" | "5774340" | "5786238" | "5789271" | "5793117" | "5796590" | "5798285" | "5800723" | "5801072" | "5801447" | "5803340" | "5804771" | "5808360" | "5811879" | "5817541" | "5822856" | "5834844" | "5843251" | "5848466" | "5859470" | "5861666" | "5863816" | "5870289" | "5877559").PN. OR ("5883435" | "5895581" | "5925931" | "5983492" | "5994222" | "6012224" | "6013877" | "6018196" | "6020561" | "6022761" | "6037665" | "6044550" | "6046909" | "6084297" | "6084781" | "6103552" | "6103992" | "6127204").PN. OR ("5637925" | "5641113" | "5645628" | "5646067" | "5648686" | "5651899" | "5654584" | "5656858" | "5662798" | "5663598" | "5665562" | "5666008" | "5669545" | "5674785" | "5674787" | "5677567" | "5682061" | "5691041" | "5696612" | "5700735" | "5718361" | "5722162" | "5723369" | "5731073" | "5731223" | "5736456" | "5739585" | "5744859" | "5757071" | "5757081" | "5764486" | "5768109" | "5774340" | "5786238" | "5789271" | "5793117" | "5796590" | "5798285" | "5800723" | "5801072" | "5801447" | "5803340" | "5804771" | "5808360" | "5811879" | "5817541" | "5822856" | "5834844" | "5843251" | "5848466" | "5859470" | "5861666" | "5863816" | "5870289" | "5877559").PN. OR ("5883435" | "5895581" | "5925931" | "5983492" | "5994222" | "6012224" | "6013877" | "6018196" | "6020561" | "6022761" | "6037665" | "6044550" | "6046909" | "6084297" | "6084781" | "6103552" | "6103992" | "6127204").PN. OR ("5637925" | "5641113" | "5645628" | "5646067" | "5648686" | "5651899" | "5654584" | "5656858" | "5662798" | "5663598" | "5665562" | "5666008" | "5669545" | "5674785" | "5674787" | "5677567" | "5682061" | "5691041" | "5696612" | "5700735" | "5718361" | "5722162" | "5723369" | "5731073" | "5731223" | "5736456" | "5739585" | "5744859" | "5757071" | "5757081" | "5764486" | "5768109" | "5774340" | "5786238" | "5789271" | "5793117" | "5796590" | "5798285" | "5800723" | "5801072" | "5801447" | "5803340" | "5804771" | "5808360" | "5811879" | "5817541" | "5822856" | "5834844" | "5843251" | "5848466" | "5859470" | "5861666" | "5863816" | "5870289" | "5877559").PN. OR ("5883435" | "5895581" | "5925931" | "5983492" | "5994222" | "6012224" | "6013877" | "6018196" | "6020561" | "6022761" | "6037665" | "6044550" | "6046909" | "6084297" | "6084781" | "6103552" | "6103992" | "6127204").PN. OR ("5637925" | "5641113" | "5645628" | "5646067" | "5648686" | "5651899" | "5654584" | "5656858" | "5662798" | "5663598" | "5665562" | "5666008" | "5669545" | "5674785" | "5674787" | "5677567" | "5682061" | "5691041" | "5696612" | "5700735" | "5718361" | "5722162" | "5723369" | "5731073" | "5731223" | "5736456" | "5739585" | "5744859" | "5757071" | "5757081" | "5764486" | "5768109" | "5774340" | "5786238" | "5789271" | "5793117" | "5796590" | "5798285" | "5800723" | "5801072" | "5801447" | "5803340" | "5804771" | "5808360" | "5811879" | "5817541" | "5822856" | "5834844" | "5843251" | "5848466" | "5859470" | "5861666" | "5863816" | "5870289" | "5877559").PN. OR ("5883435" | "5895581" | "5925931" | "5983492" | "5994222" | "6012224" | "6013877" | "6018196" | "6020561" | "6022761" | "6037665" | "6044550" | "6046909" | "6084297" | "6084781" | "6103552" | "6103992" | "6127204").PN. OR ("5637925" | "5641113" | "5645628" | "5646067" | "5648686" | "5651899" | "5654584" | "5656858" | "5662798" | "5663598" | "5665562" | "5666008" | "5669545" | "5674785" | "5674787" | "5677567" | "5682061" | "5691041" | "5696612" | "5700735" | "5718361" | "5722162" | "5723369" | "5731073" | "5731223" | "5736456" | "5739585" | "5744859" | "5757071" | "5757081" | "5764486" | "5768109" | "5774340" | "5786238" | "5789271" | "5793117" | "5796590" | "5798285" | "5800723" | "5801072" | "5801447" | "5803340" | "5804771" | "5808360" | "5811879" | "5817541" | "5822856" | "5834844" | "5843251" | "5848466" | "5859470" | "5861666" | "5863816" | "5870289" | "5877559").PN. 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S17	1169	((selfalign\$ self! adj! align\$) and S14 S15 S16) not S7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 12:49
S18	701	solder and S17	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 12:50
S19	333	reflow\$ and S18	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 13:03
S20	227	438/for 495	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 17:17:06
S21	2219	solder with capillar\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 13:11
S23	34	S21 and S12 not S7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 13:23
S25	740	gravit\$ with solder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 13:24
S27	23	S12 and S25 not S7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 13:29

S28	2	"914347".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 13:30
S29	43	("3621138"   "3683241"   "3737729"   "4211354"   "4218724"   "4267953"   "427890"   "4400762"   "4417296"   "4483810"   "4531145"   "4551746"   "4551747"   "4591401"   "4603474"   "4724283"   "4740414"   "4750089"   "4769525"   "4783695"   "4847136"   "4872081"   "4879630"   "4918811"   "4953005"   "4985097"   "4994215"   "4996116"   "5006673"   "5019941"   "5019946"   "5028987"   "5100740"   "5139972"   "5176309"   "5213877"   "5216279"   "5280850"   "5324890"   "5328751"   "5365403"   "5526234").PN. OR ("5938104").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 14:21
S30	43	S29 not S7	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 14:23
S31	17	saxelby.in	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 14:23
S32	8	S31 not S7	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 17:15
S33	89	vitas.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 14:24
S34	65	S33 not S7	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 14:25
S35	34	solder\$ and S34	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 14:45
S36	3039	solder\$ adj plat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 14:46
S37	2630369	via throughhole hole	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 14:47
S39	309	S36 with S37	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 14:47
S40	58	reflow\$ and S39 not S7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 15:23
S41	8258	solder with plated adj (throughhole throughl adj hole) pth	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 15:58
S42	11	("3673680"   "4304640"   "4487654"   "4525246"   "5024734").PN. OR ("5863406").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 15:27
S43	6	S42 not S7	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 15:27
S44	21	("3002481").PN. OR ("3673680").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 15:33
S46	17	S44 not S7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 15:33
S47	15	("4830264"   "5275330"   "5409157"   "5447264").PN. OR ("5722160").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 15:43
S48	8	S47 not S7	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 15:43
S49	38	("3001057"   "4412642"   "4830264"   "5088639"   "5129142"   "5191174"   "5229549").PN. OR ("5435480").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 15:55
S50	23	S49 not S7	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 15:55
S52	13	S41 with electropat\$ not S7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 15:59
S53	40	("3517434"   "3926360"   "4558812"   "4722470"   "4727633"   "4759491"   "4889275"   "4906823"   "4972989").PN. OR ("5048747").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 16:06
S54	33	S53 not S7	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 16:06

S55	227	S20 not S7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 17:07
S58	4	("5644103" or ("5663869")) PN	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/17 17:16
S59	4	"851482".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 17:17
S60	2	("5778526") PN	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/17 17:18
S61	43	(US-5877559-\$ or US-6449840-\$ or US-6511607-\$ or US-6051093-\$ or US-6015081-\$ or US-5860818-\$ or US-6448644-\$ or US-6245594-\$ or US-5558271-\$ or US-5767580-\$ or US-5477086-\$ or US-6015520-\$ or US-5960538-\$ or US-5526234-\$ or US-5938104-\$ or US-5876859-\$ or US-6159772-\$ or US-6138349-\$ or US-6119923-\$ or US-6096981-\$ or US-5906310-\$ or US-5808358-\$ or US-5778526-\$ or US-5663869-\$ or US-5644103-\$ or US-5365403-\$).did. or (US-6236302-\$ or US-6172591-\$ or US-5275330-\$ or US-4804615-\$ or US-4487654-\$ or US-4304640-\$ or US-5924622-\$ or US-5863406-\$ or US-4525246-\$ or US-3673680-\$ or US-4650548-\$ or US-5722160-\$ or US-5435480-\$ or US-5129142-\$ or US-5160579-\$ or US-5048747-\$ or US-3926360-\$).did.	USPAT	OR	ON	2004/12/17 19:00
S63	85763	printed adj circuit adj board pcb	USPAT	OR	ON	2004/12/17 19:04
S66	2	pad with chip with (nonconductive adj substrate)	USPAT	OR	ON	2004/12/17 19:03
S67	90	pad with chip with alumina	USPAT	OR	ON	2004/12/17 19:03
S68	73	S67 not S7	USPAT	OR	ON	2004/12/17 19:14
S70	251	pad with chip with insulating adj substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 19:14
S72	150	S70 not S7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 19:20
S75	53	chip adj pad with substrate adj pad not S7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 19:24
S76	192	S6 S61	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 19:27
S78	62	S63 and S76	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 19:27

S79	1142	(["2614590","2713379","2861163","2872391","2897409","2978665","3001057","3002481","3040119","3061501","3070119","3071854","3119922","3138686","3187164","3208921","3243753","3296099","3306830","3324014","3339274","3374531","3392442","3429040","3461357","3483615","3485223","3495207","3517434","3520055","3535494","3541222","3577037","3583063","3619560","3621338","3632955","3659333","3673680","3676566","3680037","3683247","3689736","3702284","3736653","3737729","3742597","3744129","3766440","3769702","3778530","3805117","3808681","3811186","3819430","3819497","3823217","3824328","3870582","3873429","3878501","3880486","3889350","3892646","3900770","3901758","3904934","3926360","3934334","3972766","3984244","4050756","4074342","4101862","4104111","4151401","4151543","4156148","4158190","4177376","4177446","4182781","4196411","4211354","4215235","4216350","4218724","4218725","4234373","4237441","4238812","4240198","4246468","4249302","4250398","4250481","4257091","4263606","4266140","4267953","4272471","4278990","4291118","4304640","4314230","4314231","4315175","4315237","4317027","4321589","4325780","4327351","4329726","4336551","4339303","4341949","4349620","4352083","4368503","4373778","4376815","4383363","4394530","4394712","4400762").PN.OR 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S80	1033	(*1087561* *3171762* *3193789* *3256465* *3343256* *3352730* *3372070* *3373481* *3385773* *3388301* *3418545* *3429040* *3445686* *3454835* *3456335* *3462650* *3560257* *3577037* *3624462* *3625837* *3633269* *3684131* *3665590* *3698076* *3701451* *3758705* *3760238* *3761782* *3791858* *3796927* *3798513* *3811186* *3835531* *3871014* *3887105* *3888486* *3885196* *3888639* *3959579* *3962052* *3969745* *3982268* *3986196* *4067945* *4074342* *4097890* *4100566* *4104674* *4131516* *4142202* *4157932* *4188709* *4190855* *4205099* *4231811* *4249302* *4252990* *4263341* *4268956* *4275410* *4318954* *4336551* *4348253* *4355463* *4368106* *4368503* *4374457* *4379307* *4381131* *4394712* *4417393* *4425501* *4437109* *4449774* *4451842* *4460537* *4467343* *4478915* *4499655* *4528072* *4545610* *4553036* *4574331* *4612083* *4613891* *4617730* *4628406* *4631805* *4636631* *4641222* *4649338* *4652973* *4664309* *4667219* *4667401* *4670764* *4679118* *4680617* *4688152* *4689652* *4694185* *4695872* *4696104* *4700276* *4700473* *4701424* *4703559* *4705205* *4712721* *4720738* *4723156* *4725562* *4729061* *4733096* *4737470* *4740657* *4748495* *4754316* *4759491* *4761681* *4765864* *4766371* *4783695* *4783722* *PN, OR* *4784972* *4788767* *4799984* *4806188* *4807021* *4808273* *4810332* *4811082* *4812130* *4813128* *4814040* *4825284* *4827118* *4830264* *4835704* *4839309* *4839510* *4841355* *4845542* *4847146* *4849374* *4854882* *4862322* *4862588* *4868068* *4868349* *4874721* *4874722* *4875982* *4880684* *4894115* *4897708* *4923404* *4926241* *4926549* *4927369* *4932883* *4933042* *4933808* *4935581* *4935800* *4938996* *4939568* *4948754* *4950170* *4953060* *4954458* *4954875* *4954878* *4961105* *4963697* *4970381* *4970575* *4978639* *4982265* *4982266* *4984358* *4991000* *4991285* *4991290* *4993799* *4998806* *5006673* *5013249* *5023994* *5024966* *5032896* *5037782* *5039628* *5045249* *5053357* *5055425* *5055907* *5057895* *5058800* *5059553* *5061989* *5065505* *5069749* *5073521* *5075258* *5077633* *5084961* *5091769* *5095627* *5100501* *5109601* *5111278* *5111279* *5118370* *5119272* *5121299* *5123850* *5124843* *5128831* *5130531* *5132251* *5136359* *5137461* *5138438* *5139969* *5144484* *5149958* *5153379* *5153385* *5153772* *5155302* *5161059* *5161093* *5161983* *5162257* *5162260* *5163837* *5164336* *5166097* *5168346* *5169678* *5171190* *5171712* *5172303* *5179777* *5191405* *5196371* *5196920* *PN, OR* *5198695* *5198698* *5199889* *5200631* *5202754* *5207585* *5215472* *5221209* *5223084* *5227812* *5229647* *5232372* *5237743* *5239448* *5246880* *5248262* *5252857* *5258648* *5259110* *5268326* *5270261* *5280191* *5282312* *5283468* *5284796* *5289631* *5293006* *5302853* *5313097* *5313099* *5317183* *5322446* *5322816* *5338208* *5340947* *5342495* *5346750* *5346861* *5352318* *5352926* *5353194* *5353195* *5353498* *5363275* *5363550* *53665088* *5366589* *53686626* *5394298* *5397245* *5404044* *5408123* *5413489* *5418186* *5419710* *5420064* *5421083* *5431517* *5432999* *5440075* *5443661* *5449427* *5450290* *5451165* *5452182* *5454904* *5455445* *5457881* *5468157* *5468158* *5468681* *5468996* *5470796* *5473119* *5474458* *5475255* *5477161* *5480834* *5481133* *5483421* *5485351* *5487218* *5489804* *5492863* *5493475* *5502002* *5503286* *5508229* *5510655* *5521435* *5527741* *5527998* *5528080* *5530288* *5533101* *5543032* *55457530* *5552633* *5587341* *5597469* *5607877* *5608264* *5615477* *5637925* *5662788* *5700735* *5731073* *5736456* *5786238* *5793117* *5859470* *PN, OR* *5424245* *5432675* *5454161* *5454928* *5468681* *5484647* *5510655* *5527741* *5600884* *5608264* *5618752* *5637925* *5646067* *5682062* *5691041* *5699612* *5719354* *5737833* *5770889* *5814889* *5819406* *5824799* *5900674* *5920123* *5923955* *5937277* *6002177* *6046410* *6066402* *6117299* *URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 19:29
S81	1168	(*2396725* *2803731* *2890395* *2961746* *3049647* *3070650* *3148310* *3191099* *3193789* *3205298* *3255511* *3259049* *3278337* *3290756* *3301939* *3311966* *3385773* *3388301* *3418545* *3429040* *3445686* *3454835* *3456335* *3462650* *3560257* *3577037* *3624462* *3625837* *3633269* *3684131* *3665590* *3698076* *3701451* *3758705* *3760238* *3761782* *3791858* *3796927* *3798513* *3811186* *3835531* *3871014* *3887105* *3888486* *3885196* *3888639* *3959579* *3962052* *3969745* *3982268* *3986196* *4067945* *4074342* *4097890* *4100566* *4104674* *4131516* *4142202* *4157932* *4188709* *4190855* *4205099* *4231811* *4249302* *4252990* *4263341* *4268956* *4275410* *4318954* *4336551* *4348253* *4355463* *4368106* *4368503* *4374457* *4379307* *4381131* *4394712* *4417393* *4425501* *4437109* *4449774* *4451842* *4460537* *4467343* *4478915* *4499655* *4528072* *4545610* *4553036* *4574331* *4612083* *4613891* *4617730* *4628406* *4631805* *4636631* *4641222* *4649338* *4652973* *4664309* *4667219* *4667401* *4670764* *4679118* *4680617* *4688152* *4689652* *4694185* *4695872* *4696104* *4700276* *4700473* *4701424* *4703559* *4705205* *4712721* *4720738* *4723156* *4725562* *4729061* *4733096* *4737470* *4740657* *4748495* *4754316* *4759491* *4761681* *4765864* *4766371* *4783695* *4783722* *PN, OR* *4784972* *4788767* *4799984* *4806188* *4807021* *4808273* *4810332* *4811082* *4812130* *4813128* *4814040* *4825284* *4827118* *4830264* *4835704* *4839309* *4839510* *4841355* *4845542* *4847146* *4849374* *4854882* *4862322* *4862588* *4868068* *4868349* *4874721* *4874722* *4875982* *4880684* *4894115* *4897708* *4923404* *4926241* *4926549* *4927369* *4932883* *4933042* *4933808* *4935581* *4935800* *4938996* *4939568* *4948754* *4950170* *4953060* *4954458* *4954875* *4954878* *4961105* *4963697* *4970381* *4970575* *4978639* *4982265* *4982266* *4984358* *4991000* *4991285* *4991290* *4993799* *4998806* *5006673* *5013249* *5023994* *5024966* *5032896* *5037782* *5039628* *5045249* *5053357* *5055425* *5055907* *5057895* *5058800* *5059553* *5061989* *5065505* *5069749* *5073521* *5075258* *5077633* *5084961* *5091769* *5095627* *5100501* *5109601* *5111278* *5111279* *5118370* *5119272* *5121299* *5123850* *5124843* *5128831* *5130531* *5132251* *5136359* *5137461* *5138438* *5139969* *5144484* *5149958* *5153379* *5153385* *5153772* *5155302* *5161059* *5161093* *5161983* *5162257* *5162260* *5163837* *5164336* *5166097* *5168346* *5169678* *5171190* *5171712* *5172303* *5179777* *5191405* *5196371* *5196920* *PN, OR* *5198695* *5198698* *5199889* *5200631* *5202754* *5207585* *5215472* *5221209* *5223084* *5227812* *5229647* *5232372* *5237743* *5239448* *5246880* *5248262* *5252857* *5258648* *5259110* *5268326* *5270261* *5280191* *5282312* *5283468* *5284796* *5289631* *5293006* *5302853* *5313097* *5313099* *5317183* *5322446* *5322816* *5338208* *5340947* *5342495* *5346750* *5346861* *5352318* *5352926* *5353194* *5353195* *5353498* *5363275* *5363550* *53665088* *5366589* *53686626* *5394298* *5397245* *5404044* *5408123* *5413489* *5418186* *5419710* *5420064* *5421083* *5431517* *5432999* *5440075* *5443661* *5449427* *5450290* *5454458* *5454875* *5455101* *54612083* *54613891* *54617730* *54628406* *5463631* *5464645* *5465249* *5466097* *5467343* *5468940* *5469862* *5470205* *54712721* *54720738* *54723156* *54725562* *54729061* *54733096* *54737470* *54740657* *54748495* *54754316* *54759491* *54761681* *54765864* *54766371* *54783695* *54783722* *PN, OR* *4784972* *4788767* *4799984* *4806188* *4807021* *4808273* *4810332* *4811082* *4812130* *4813128* *4814040* *4825284* *4827118* *4830264* *4835704* *4839309* *4839510* *4841355* *4845542* *4847146* *4849374* *4854882* *4862322* *4862588* *4868068* *4868349* *4874721* *4874722* *4875982* *4880684* *4894115* *4897708* *4923404* *4926241* *4926549* *4927369* *4932883* *4933042* *4933808* *4935581* *4935800* *4938996* *4939568* *4948754* *4950170* *4953060* *4954458* *4954875* *4954878* *4961105* *4963697* *4970381* *4970575* *4978639* *4982265* *4982266* *4984358* *4991000* *4991285				

S88	18	S87 not S7	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 19:59
S89	44	(US-5877559-\$ or US-6449840-\$ or US-6511607-\$ or US-6051093-\$ or US-6015081-\$ or US-5860818-\$ or US-6448644-\$ or US-6245594-\$ or US-5558271-\$ or US-5767580-\$ or US-5477086-\$ or US-6015520-\$ or US-5960538-\$ or US-5525234-\$ or US-5938104-\$ or US-5876859-\$ or US-6159772-\$ or US-6138349-\$ or US-6119923-\$ or US-6096981-\$ or US-5906310-\$ or US-5808358-\$ or US-5778526-\$ or US-5663869-\$ or US-5644103-\$ or US-5365403-\$) did. or (US-6236302-\$ or US-6172351-\$ or US-5275330-\$ or US-4804615-\$ or US-4487654-\$ or US-4304640-\$ or US-5924622-\$ or US-5863406-\$ or US-4525246-\$ or US-3673680-\$ or US-4650548-\$ or US-5722160-\$ or US-5435480-\$ or US-5129142-\$ or US-5160579-\$ or US-5048747-\$ or US-3926360-\$ or US-6195883-\$) did.	USPAT	OR	ON	2004/12/17 20:29
S90	2630369	via throughhole hole	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/20 12:54
S91	1440573	@ad>"19981216" @rlad>"19981216" @ptid>"19981216"	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/20 12:54
S92	2270557	wall sidewall	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/20 12:54
S93	38584	coalesc\$	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/20 12:55
S94	326814	concav\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 12:55
S95	579645	tension	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 12:55
S97	17020	S90 with solder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 12:59
S98	201366	sett\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 12:59
S99	17	S97 with S93	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 12:59
S100	5	S99 not S91	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 13:02
S101	941756	melt\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 13:02
S102	141	S97 with (S95 S98 S94) not S91	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 13:02
S103	9	S102 with S92	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 13:07
S104	975	S97 with S92	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 13:07
S105	44	S104 with (S101 reflow\$) not S91	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 13:12
S106	159	solder with merge\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 13:12
S107	92	S106 not S91	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 13:13
S108	247	solder with S93	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 13:13

S10 9	141	S108 not S91	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 13:22
S11 0	4314	solder with S92	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 13:24
S11 1	316	S110 with (S101 reflow\$) not S91	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 13:24